

Title (en)
THERMAL ENERGY STORAGE ARRAY

Title (de)
WÄRMEENERGIESPEICHERANORDNUNG

Title (fr)
ENSEMBLE DE STOCKAGE D'ÉNERGIE THERMIQUE

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Application
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Abstract (en)
[origin: WO2019058170A1] A thermal energy storage unit is disclosed. The system comprising: a tube having at least one inlet and at least one outlet for a first fluid; a plurality of plate- shaped or box-shaped capsules having a second fluid therein, wherein the plurality of capsules is arranged inside the tube to form a plurality of stacks of capsules; wherein: the first fluid is a heat transfer fluid for exchanging heat with the second fluid; the second fluid is a phase-change medium; wherein a plurality of defined narrow flow paths for the first fluid is provided between the capsules. The defined flow paths increase the efficiency of the system.

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